Lightware SDVoE Extenders Comparison Table

Technology Explanatory

TPX

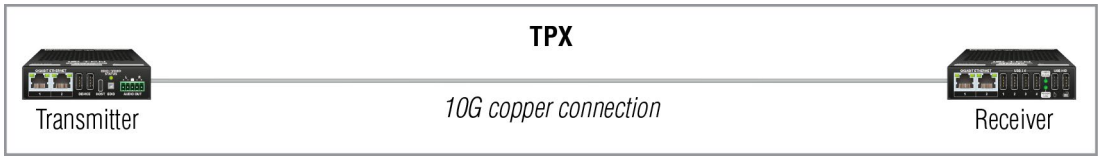
Connection type: point-to-point

Required bandwidth: 10G

Connection interface: CATx with RJ45 connector

Recommended cable type: CAT6a AWG24 *

Compatible devices: TPX Transmitters, TPX Receivers, Taurus TPX Receivers, Taurus TPX Transmitters



OPTX

Connection type: point-to-point

Required bandwidth: 10G

Connection interface: fiber optical (requires one SFP+ module per device) or DAC

Compatible devices: OPTX Extenders



TPN

Connection type: point-multipoint

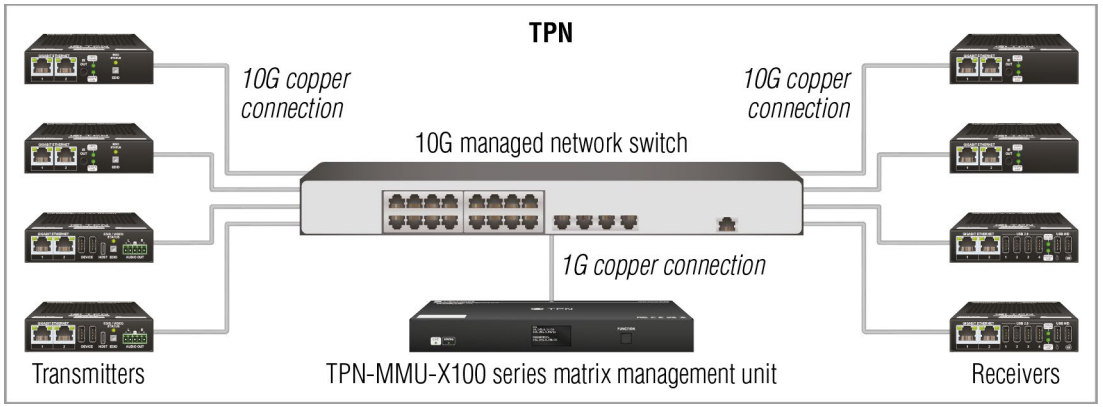
Required bandwidth: 10G

Connection interface: CATx with RJ45 connector

Recommended cable type: CAT6a AWG24 *

Network switch: required ✔

Compatible devices: TPN Endpoints, Taurus TPN Transmitters



OPTN

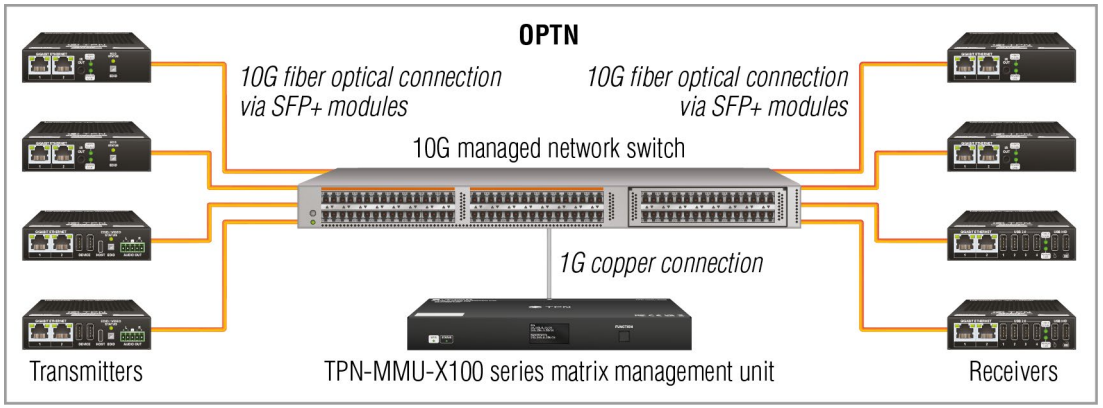
Connection type: point-multipoint

Required bandwidth: 10G

Connection interface: fiber optical (requires one SFP+ module per device) or DAC

Network switch: required ✔

Compatible devices: OPTN Endpoints



* See more details about the TPX / TPN CATx cable installation and diagnostics in our application notes: https://go.lightware.com/tpx-tpn-catx-cable-diagnostics-application-notes

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Lightware SDVoE Extenders Comparison Table

TPX Transmitters

TPX	AV connectors				SDVoE interface (10G)		Powering			Interface ports								Features	Dimensions
	Video connectors		Audio connectors				Power connectors		Remote power capabilities	Control ports			USB interface						
	HDMI input	Local HDMI output	Analog audio output	Dante® / AES67 output	CATx (TPX)	Fiber optical (OPTX)	48V 2-pole Phoenix	12V locking DC input		Ethernet	RS-232	Infrared output	USB mini B-type	USB-C (USB2.0 data only)	USB-A	Local/ remote mode	Presented USB tiers in the topology	Integrated scaler	
HDMI-TPX-TX106	✓	✗	✗	✗	✓	✗	✗	✓	PoC [1]	✓ (1x)	✓ (1x)	✓	✗	✗	✗	-	-	✗	1/4 rack wide Half U high **Size 1**
HDMI-TPX-TX106A	✓	✗	✓	✗	✓	✗	✗	✓	PoC [1]	✓ (1x)	✓ (1x)	✓	✗	✗	✗	-	-	✗	
HDMI-TPX-TX107	✓	✗	✗	✗	✓	✗	✓	✗	PoE PD [2]	✓ (2x)	✓ (1x)	✓	✗	✗	✗	-	-	✗	
HDMI-TPX-TX209AK	✓	✓	✓	✗	✓	✗	✓	✗	PoE PD+PSE [4]	✓ (2x)	✓ (2x)	✓	✓	✗	✗	LEX	Link	✗	
HDMI-TPX-TX106-V2	✓	✗	✗	✗	✓	✗	✗	✓	PoC [1]	✓ (1x)	✓ (1x)	✗	✗	✗	✗	-	-	✗	1/4 rack wide Half U high **Size 2**
HDMI-TPX-TX106A-V2	✓	✗	✓	✗	✓	✗	✗	✓	PoC [1]	✓ (1x)	✓ (1x)	✗	✗	✗	✗	-	-	✗	
HDMI-TPX-TX107-V2	✓	✗	✗	✗	✓	✗	✗	✓	PoE PD [2]	✓ (2x)	✓ (1x)	✗	✗	✗	✗	-	-	✗	
HDMI-TPX-TX209AK-V2	✓	✓	✓	✗	✓	✗	✓	✗	PoE PD+PSE [4]	✓ (2x)	✓ (2x)	✗	✗	✓	✗	LEX	Link	✗	
HDMI-TPX-TX209AU2K	✓	✓	✓	✗	✓	✗	✓	✗	PoE+ PD+PSE [4]	✓ (2x)	✓ (1x)	✗	✗	✓	✓ (2x)	LEX	Link	✗	
HDMI-TPX-TX107D	✓	✗	✗	✓	✓	✗	✗	✓	PoE PD [2]	✓ (2x)	✓ (1x)	✗	✗	✗	✗	-	-	✗	1/3 rack wide Half U high **Size 3**
HDMI-TPX-TX209DU2K	✓	✓	✗	✓	✓	✗	✓	✗	PoE+ PD+PSE [4]	✓ (2x)	✓ (1x)	✗	✗	✓	✓ (2x)	LEX	Link	✗	

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Lightware SDVoE Extenders Comparison Table

TPX Receivers

TPX	AV connectors			SDVoE interface (10G)		Powering			Interface ports						Features	Dimensions
	Video connector	Audio connectors				Power connectors		Remote power capabilities	Control ports			USB interface				
	HDMI output	Analog audio output	Dante® / AES67 output	CATx (TPX)	Fiber optical (OPTX)	48V 2-pole Phoenix	12V locking DC input		Ethernet	RS-232	Infrared output	USB-A	Local/ remote mode	Presented USB tiers in the topology	Integrated scaler	
HDMI-TPX-RX106	✓ (1x)	✗	✗	✓	✗	✗	✓	PoC [1]	✓ (1x)	✓ (1x)	✓	✗	-	-	✗	1/4 rack wide Half U high **Size 1**
HDMI-TPX-RX107	✓ (1x)	✗	✗	✓	✗	✓	✗	PoE PD [2]	✓ (2x)	✓ (1x)	✓	✗	-	-	✗	
HDMI-TPX-RX209AK	✓ (2x)	✓	✗	✓	✗	✓	✗	PoE PD+PSE [4]	✓ (2x)	✓ (2x)	✓	✓ (2x)	REX	Link	✗	
HDMI-TPX-RX106-V2	✓ (1x)	✗	✗	✓	✗	✗	✓	PoC [1]	✓ (1x)	✓ (1x)	✗	✗	-	-	✗	1/4 rack wide Half U high **Size 2**
HDMI-TPX-RX107-V2	✓ (1x)	✗	✗	✓	✗	✓	✗	PoE PD [2]	✓ (2x)	✓ (1x)	✗	✗	-	-	✗	
HDMI-TPX-RX109AK-V2	✓ (1x)	✓	✗	✓	✗	✓	✗	PoE PD+PSE [4]	✓ (2x)	✓ (2x)	✗	✓ (2x)	REX	Link	✗	
HDMI-TPX-RX109AU2K	✓ (1x)	✓	✗	✓	✗	✓	✗	PoE+ PD+PSE [4]	✓ (2x)	✓ (1x)	✗	✓ (6x)	REX	Link	✗	
HDMI-TPX-RX107A-SR	✓ (1x)	✓	✗	✓	✗	✗	✓	PoE+ PD [2]	✓ (2x)	✓ (1x)	✗	✗	-	-	✓	1/3 rack wide Half U high **Size 3**
HDMI-TPX-RX107AU2K-SR	✓ (1x)	✓	✗	✓	✗	✗	✓	PoE+ PD [2]	✓ (2x)	✓ (1x)	✗	✓ (6x)	REX		✓	
HDMI-TPX-RX107D	✓ (1x)	✗	✓	✓	✗	✗	✓	PoE PD [2]	✓ (2x)	✓ (1x)	✗	✗	-	-	✗	
HDMI-TPX-RX109DU2K	✓ (1x)	✗	✓	✓	✗	✓	✗	PoE+ PD+PSE [4]	✓ (2x)	✓ (1x)	✗	✓ (6x)	REX	Link	✗	

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Lightware SDVoE Extenders Comparison Table

OPTX Extenders

		AV connectors				SDVoE interface (10G)	Powering			Interface ports								Features		Dimensions
		Video connectors			Audio connector		Power connectors		Remote power capabil.	Control ports			USB interface							
	OPTX	HDMI input	Local HDMI output	HDMI output	Analog audio output	Fiber optical (OPTX)	48V 2-pole Phoenix	12V locking DC input		Ethernet	RS-232	Infrared output	USB mini B-type	USB-C (USB2.0 data only)	USB-A	Local/ remote mode	Presented USB tiers in the topology	Integrated scaler	Data diode technology	
Transmitters (TX)	HDMI-OPTX-TX100A	✓	✗	✗	✓	✓	✗	✓	-	✓ (2x)	✓ (1x)	✗	✗	✗	✗	-	-	✗	✗	1/4 rack wide Half U high **Size 2**
	HDMI-OPTX-TX200AU2K	✓	✓	✗	✓	✓	✗	✓	-	✓ (2x)	✓ (1x)	✗	✗	✓	✓ (2x)	LEX	Link	✗	✗	
Receivers (RX)	HDMI-OPTX-RX100A	✗	✗	✓ (1x)	✓	✓	✗	✓	-	✓ (2x)	✓ (1x)	✗	✗	✗	✗	-	-	✗	✗	
	HDMI-OPTX-RX100AU2K	✗	✗	✓ (1x)	✓	✓	✗	✓	-	✓ (2x)	✓ (1x)	✗	✗	✗	✓ (6x)	REX	Link	✗	✗	
	HDMI-OPTX-RX100A-SR	✗	✗	✓ (1x)	✓	✓	✗	✓	-	✓ (2x)	✓ (1x)	✗	✗	✗	✗	-	-	✓	✗	1/3 rack wide Half U high **Size 3**
	HDMI-OPTX-RX100AU2K-SR	✗	✗	✓ (1x)	✓	✓	✗	✓	-	✓ (2x)	✓ (1x)	✗	✗	✗	✓ (6x)	REX	Link	✓	✗	
OPTX-DD series	HDMI-OPTX-TX200A-DD	✓	✓	✗	✓	✓	✗	✓	-	✓ (2x)	✓ (1x)	✗	✗	✗	✗	-	-	✗	✓	1/4 rack wide Half U high **Size 2**
	HDMI-OPTX-RX100A-DD	✗	✗	✓ (1x)	✓	✓	✗	✓	-	✓ (2x)	✓ (1x)	✗	✗	✗	✗	-	-	✗	✓	

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Lightware SDVoE Extenders Comparison Table

Taurus TPX Transmitters

	AV connectors					SDVoE interface (10G)	Powering			Interface ports							Dimensions
	Video input/output				Audio output		Power sending over TPX port	Power sending over Ethernet port	PD (Power Delivery) charging over USB-C	Control ports			USB interface				
TAURUS TPX	Welcome screen	HDMI input	USB-C input	Local HDMI output	Analog audio output	CATx (TPX)				Ethernet	RS-232	GPIO	USB-C	USB-B 2.0	USB-A 2.0	Presented USB tiers in the topology	
UCX-4x3-TPX-TX30-R	✓	✓ (2x)	✓ (2x)	✓ (2x)	✓	✓	✓ PoE+ compatible (max. 30W)	✓ Ethernet 3 port is PoE+ compatible (max. 30W)	✓ Max. 100W/port	✓ (3x)	✓ (2x)	✓	✓ (2x)	✗	✓ (2x)	Link	One rack wide; 1U high **Size 5**
UCX-2x1-TPX-TX20	✓	✓ (1x)	✓ (1x)	✗	✓	✓	PoE+ PSE [3]	✗	✓ Max. 100W	✓ (3x)	✓ (1x)	✓	✗	✓ (1x)	✓ (4x)	Link	Wider than Half rack; Half U high **Size 4**
UCX-2x1-TPX-TX30	✓	✓ (1x)	✓ (1x)	✗	✓	✓	PoE+ PSE [3]	✗	✓ Max. 100W	✓ (3x)	✓ (1x)	✓	✓ (2x)	✓ (1x)	✓ (2x)	Link	
UCX-4x3-TPX-TX20	✓	✓ (2x)	✓ (2x)	✓ (2x)	✓	✓	PoE+ PSE [3]	✗	✓ Max. 100W/ port; 120W altogether	✓ (3x)	✓ (2x)	✓	✗	✓ (2x)	✓ (4x)	Link	
UCX-4x3-TPX-TX30	✓	✓ (2x)	✓ (2x)	✓ (2x)	✓	✓	PoE+ PSE [3]	✗	✓ Max. 100W/ port; 120W altogether	✓ (3x)	✓ (2x)	✓	✓ (2x)	✓ (2x)	✓ (2x)	Link	
DCX-3x1-TPX-TX10	✗	✓ (2x)	✓ (1x)	✓ (1x)	✓	✓	✗	✗	✓ Max. 100W	✓ (1x)	✗	✗	✗	✗	✗	-	

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Lightware SDVoE Extenders Comparison Table

Taurus TPX Receivers

	AV connectors						SDVoE interface (10G)	Powering				Interface ports										Dimensions
	Video input/output					Audio output		Power connectors		Remote power capabil.	PD (Power Delivery) charging over USB-C	Control ports				USB interface						
	Welcome screen	HDMI input	USB-C input	Local HDMI output	HDMI output	Analog audio output	CATx (TPX)	24V 2-pole Phoenix	12V locking DC input			Ethernet	RS-232	GPIO	OCS	USB-C	USB-B 2.0	USB-B 3.0	USB-A 2.0	USB-A 3.0	Presented USB tiers in the topology	
UCX-3x3-TPX-RX20	✓	✓ (2x)	✗	✗	✓ (3x)	✓	✓	✓	✗	-	✗	✓ (3x)	✓ (2x)	✓	✓	✗	✗	✓ (2x)	✗	✓ (4x)	Link	Wider than Half rack; Half U high **Size 4**
HDMI-UCX-TPX-RX107	✗	✗	✗	✗	✓ (1x)	✓	✓	✗	✓	PoE+ PD [2]	✗	✓ (2x)	✓ (1x)	✗	✓	✗	✗	✗	✓ (4x)	✗	Link	1/4 rack wide Half U high **Size 2**

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Lightware SDVoE Extenders Comparison Table

TPN Control Units

TPN	Interfaces							Powering	Features				
	Control Ports				AV ports	USB K+M							
	Ethernet	RS-232	GPIO	OCS	Local HDMI output	USB-A	Front panel display	Remote power capability	Built-in BlueRiver Control Server	Advanced GUI and SDVoE matrix management	Built-in LARA software	REST API support	Number of supported endpoint devices
TPN-CTU-X50	✓ (3x)	✓ (2x)	✓	✓	✗	✗	✗	-	✓	✗	✓	✓	up to 20
TPN-MMU-X100-20	✓ (2x)	✓ (1x) (reserved for future development)	✗	✗	✓ (1x) (reserved for future development)	✓ (2x) (reserved for future development)	✓	PoE PD [2]	✓	✓	✓	✓	up to 20
TPN-MMU-X100	✓ (2x)	✓ (1x) (reserved for future development)	✗	✗	✓ (1x) (reserved for future development)	✓ (2x) (reserved for future development)	✓	PoE PD [2]	✓	✓	✓	✓	up to 100

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Lightware SDVoE Extenders Comparison Table

Taurus TPN Transmitters

	AV connectors					SDVoE interface (10G)		Powering		Interface ports							Features	Dimensions
	Video input/output				Audio output			Power sending over Ethernet port	PD (Power Delivery) charging over USB-C	Control ports			USB interface					
TAURUS TPN	Welcome screen	HDMI input	USB-C input	Local HDMI output	Analog audio output	CATx (TPN)	Fiber optical (OPTN)			Ethernet	RS-232	GPIO	USB-C	USB-B 2.0	USB-A 2.0	Presented USB tiers in the topology	Built-in BlueRiver Control Server	
UCX-4x3-TPN-TX30-R	✓	✓ (2x)	✓ (2x)	✓ (2x)	✓	✓	✗	✓ Ethernet 3 port is PoE+ compatible (max. 30W)	✓ Max. 100W/port	✓ (3x)	✓ (2x)	✓	✓ (2x)	✗	✓ (2x)	Link	✓	One rack wide; 1U high **Size 5**
UCX-2x1-TPN-TX20	✓	✓ (1x)	✓ (1x)	✗	✓	✓	✗	✗	✓ Max. 100W	✓ (3x)	✓ (1x)	✓	✗	✓ (1x)	✓ (4x)	Link	✓	Wider than Half rack; Half U high **Size 4**
UCX-2x1-TPN-TX30	✓	✓ (1x)	✓ (1x)	✗	✓	✓	✗	✗	✓ Max. 100W	✓ (3x)	✓ (1x)	✓	✓ (2x)	✓ (1x)	✓ (2x)	Link	✓	
UCX-4x3-TPN-TX20	✓	✓ (2x)	✓ (2x)	✓ (2x)	✓	✓	✗	✗	✓ Max. 100W/ port; 120W altogether	✓ (3x)	✓ (2x)	✓	✗	✓ (2x)	✓ (4x)	Link	✓	
UCX-4x3-TPN-TX30	✓	✓ (2x)	✓ (2x)	✓ (2x)	✓	✓	✗	✗	✓ Max. 100W/ port; 120W altogether	✓ (3x)	✓ (2x)	✓	✓ (2x)	✓ (2x)	✓ (2x)	Link	✓	
DCX-3x1-TPN-TX10	✗	✓ (2x)	✓ (1x)	✓ (1x)	✓	✓	✗	✗	✓ Max. 100W	✓ (1x)	✗	✗	✗	✗	✗	-	✓	

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Lightware SDVoE Extenders Comparison Table

TPN Endpoints

	TPN	AV connectors					SDVoE interface (10G)		Powering			Interface ports							Features	Dimensions
		Video connectors			Audio connectors				Power connectors		Remote power capabil.	Control ports			USB interface					
		HDMI input	Local HDMI output	HDMI output	Analog audio output	Dante® / AES67 output	CATx (TPN)	Fiber optical (OPTN)	48V 2-pole Phoenix	12V locking DC input		Ethernet	RS-232	Infrared output	USB-C (USB2.0 data only)	USB-A	Local/ remote mode	Presented USB tiers in the topology	Integrated scaler	
Transmitters (TX)	HDMI-TPN-TX107-V2	✓	✗	✗	✗	✗	✓	✗	✗	✓	PoE PD [2]	✓ (2x)	✓	✗	✗	✗	-	-	✗	1/4 rack wide Half U high **Size 2**
	HDMI-TPN-TX207AU2K	✓	✓	✗	✓	✗	✓	✗	✗	✓	PoE+ PD [2]	✓ (2x)	✓	✗	✓	✓ (2x)	LEX	Link	✗	
	HDMI-TPN-TX107D	✓	✗	✗	✗	✓	✓	✗	✗	✓	PoE PD [2]	✓ (2x)	✓	✗	✗	✗	-	-	✗	1/3 rack wide Half U high **Size 3**
	HDMI-TPN-TX207DU2K	✓	✓	✗	✗	✓	✓	✗	✗	✓	PoE+ PD [2]	✓ (2x)	✓	✗	✓	✓ (2x)	LEX	Link	✗	
	HDMI-TPN-TX107	✓	✗	✗	✗	✗	✓	✗	✓	✗	PoE PD [2]	✓ (2x)	✓	✓	✗	✗	-	-	✗	1/4 rack wide Half U high **Size 1**
Receivers (RX)	HDMI-TPN-RX107	✗	✗	✓	✗	✗	✓	✗	✓	✗	PoE PD [2]	✓ (2x)	✓	✓	✗	✗	-	-	✗	
	HDMI-TPN-RX107-V2	✗	✗	✓	✗	✗	✓	✗	✗	✓	PoE PD [2]	✓ (2x)	✓	✗	✗	✗	-	-	✗	1/4 rack wide Half U high **Size 2**
	HDMI-TPN-RX107AU2K	✗	✗	✓	✓	✗	✓	✗	✗	✓	PoE+ PD [2]	✓ (2x)	✓	✗	✗	✓ (6x)	REX	Link	✗	
	HDMI-TPN-RX107A-SR	✗	✗	✓	✓	✗	✓	✗	✗	✓	PoE+ PD [2]	✓ (2x)	✓	✗	✗	✗	-	-	✓	1/3 rack wide Half U high **Size 3**
	HDMI-TPN-RX107AU2K-SR	✗	✗	✓	✓	✗	✓	✗	✗	✓	PoE+ PD [2]	✓ (2x)	✓	✗	✗	✓ (6x)	REX	Link	✓	
	HDMI-TPN-RX107D	✗	✗	✓	✗	✓	✓	✗	✗	✓	PoE PD [2]	✓ (2x)	✓	✗	✗	✗	-	-	✗	
	HDMI-TPN-RX107D-SR	✗	✗	✓	✗	✓	✓	✗	✗	✓	PoE+ PD [2]	✓ (2x)	✓	✗	✗	✗	-	-	✓	
	HDMI-TPN-RX107DU2K-SR	✗	✗	✓	✗	✓	✓	✗	✗	✓	PoE+ PD [2]	✓ (2x)	✓	✗	✗	✓ (6x)	REX	Link	✓	

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Lightware SDVoE Extenders Comparison Table

OPTN Endpoints

		AV connectors				SDVoE interface (10G)		Powering			Interface ports								Features	Dimensions
		Video connectors			Audio connector			Power connectors		Remote power capabil.	Control ports			USB interface						
	OPTN	HDMI input	Local HDMI output	HDMI output	Analog audio output	CATx (TPN)	Fiber optical (OPTN)	48V 2-pole Phoenix	12V locking DC input		Ethernet	RS-232	Infrared output	USB mini B-type	USB-C (USB2.0 data only)	USB-A	Local/ remote mode	Presented USB tiers in the topology	Integrated scaler	
Transmitters (TX)	HDMI-OPTN-TX100A	✓	✗	✗	✓	✗	✓	✗	✓	-	✓ (2x)	✓	✗	✗	✗	✗	-	-	✗	1/4 rack wide Half U high **Size 2**
	HDMI-OPTN-TX200AU2K	✓	✓	✗	✓	✗	✓	✗	✓	-	✓ (2x)	✓	✗	✗	✓	✓ (2x)	LEX	Link	✗	
	HDMI-OPTN-TX200AU2K-SS	✓	✓	✗	✓	✗	✓	✗	✓	-	✓ (2x)	✓	✗	✗	✓	✓ (2x)	LEX	Link	✗	
Receivers (RX)	HDMI-OPTN-RX100A	✗	✗	✓	✓	✗	✓	✗	✓	-	✓ (2x)	✓	✗	✗	✗	✗	-	-	✗	
	HDMI-OPTN-RX100AU2K	✗	✗	✓	✓	✗	✓	✗	✓	-	✓ (2x)	✓	✗	✗	✗	✓ (6x)	REX	Link	✗	
	HDMI-OPTN-RX100A-SR	✗	✗	✓	✓	✗	✓	✗	✓	-	✓ (2x)	✓	✗	✗	✗	✗	-	-	✓	1/3 rack wide Half U high **Size 3**
	HDMI-OPTN-RX100AU2K-SR	✗	✗	✓	✓	✗	✓	✗	✓	-	✓ (2x)	✓	✗	✗	✗	✓ (6x)	REX	Link	✓	
	HDMI-OPTN-RX100AU2K-SR-SS	✗	✗	✓	✓	✗	✓	✗	✓	-	✓ (2x)	✓	✗	✗	✗	✓ (6x)	REX	Link	✓	

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Lightware SDVoE Extenders Comparison Table

Presented USB Tiers in the Topology - Taurus TPX and TPN Families

USB tiers count presented by the Lightware device out of the total available 7 tiers. The 1 icon means +1 tier, 2 icon means +2 tiers present in the topology. The Taurus series extenders can operate in LEX or REX modes either.

Product Line	Transmitter / Receiver	Model Name	LEX Mode with Signal Extension		
			USB2 layer		USB3 layer
			SUI	MSA	
TAURUS TPX	TX	UCX-2x1-TPX-TX20	1		-
		UCX-4x3-TPX-TX20	1		-
		UCX-4x3-TPX-TX30-R	1		-
TAURUS TPN	TX	UCX-2x1-TPN-TX20	1		-
		UCX-4x3-TPN-TX20	1		-
		UCX-4x3-TPN-TX30-R	1		-

Product Line	Transmitter / Receiver	Model Name	Local USB HUB - No Extension		
			USB2 layer		USB3 layer
			SUI	MSA	
TAURUS TPX	TX	UCX-2x1-TPX-TX20	2		-
		UCX-4x3-TPX-TX20	2		-
		UCX-4x3-TPX-TX30-R	2		-
TAURUS TPN	TX	UCX-2x1-TPN-TX20	2		-
		UCX-4x3-TPN-TX20	2		-
		UCX-4x3-TPN-TX30-R	2		-

Product Line	Transmitter / Receiver	Model Name	REX Mode with Signal Extension		
			USB2 layer		USB3 layer
			SUI (if active on host side)	MSA (if active on host side)	
TAURUS TPX	RX	UCX-3x3-TPX-RX20	2	1	-

Product Line	Transmitter / Receiver	Model Name	Local USB HUB - No Extension		
			USB2 layer		USB3 layer
			SUI	MSA	
TAURUS TPX	RX	UCX-3x3-TPX-RX20	2		1

Examples

If a UCX-2x1-TPX-TX20 (as LEX) in SUI mode is connected to an HDMI-UCX-TPX-RX20 (REX), the USB tier presentation of the extender pair is 1+2=3; and if the transmitter is in MSA mode, the USB tier presentation of the extender pair is 1+1=2.

If a UCX-2x1-TPX-TX20 (as LEX) in SUI mode is connected to a UCX-3x3-TPX-RX20 (as REX), the USB tier presentation of the extender pair is 1+2=3; and if the transmitter is in MSA mode, the USB tier presentation of the extender pair is 1+1=2.

If a UCX-2x1-TPX-TX20 is in local USB HUB mode and there is no USB signal extension, the USB tier presentation of the device is 2.

If a UCX-3x3-TPX-RX20 is in local USB HUB mode and there is no USB signal extension, the USB tier presentation of the device is 2+1=3.

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Lightware SDVoE Extenders Comparison Table

Presented USB Tiers in the Topology - TPX, OPTX, TPN and OPTN Families

USB tiers count presented by the Lightware device out of the total available 7 tiers. The 1 icon means +1 tier, 2 icon means +2 tiers present in the topology.

Local Extender (LEX) Mode Only for transmitters			
Product Line	**Model Name**	**USB2 layer**	
		SUI	MSA
TPX	HDMI-TPX-TX209AK	-	
	HDMI-TPX-TX209AK-V2	-	
	HDMI-TPX-TX209AU2K	1	
	HDMI-TPX-TX209DU2K	1	
OPTX	HDMI-OPTX-TX200AU2K	1	
TPN	HDMI-TPN-TX207AU2K	1	
	HDMI-TPN-TX207DU2K	1	
OPTN	HDMI-OPTN-TX200AU2K	1	
	HDMI-OPTN-TX200AU2K-SS	1	

Remote Extender (REX) Mode Only for receivers			
Product Line	**Model Name**	**USB2 layer**	
		SUI (if active on host side)	MSA (if active on host side)
TPX	HDMI-TPX-RX209AK	-	-
	HDMI-TPX-RX109AK-V2	-	-
	HDMI-UCX-TPX-RX107	2	1
	HDMI-TPX-RX109AU2K	2	1
OPTX	HDMI-OPTX-RX100AU2K	2	1
	HDMI-OPTX-RX100AU2K-SR	2	1
TPN	HDMI-TPN-RX107AU2K	2	1
	HDMI-TPN-RX107AU2K-SR	2	1
	HDMI-TPN-RX107DU2K-SR	2	1
OPTN	HDMI-OPTN-RX100AU2K	2	1
	HDMI-OPTN-RX100AU2K-SR	2	1
	HDMI-OPTN-RX100AU2K-SR-SS	2	1

Examples

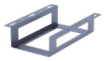
If an HDMI-TPX-TX209AU2K in SUI mode is connected to an HDMI-TPX-RX109AU2K, the USB tier presentation of the extender pair is 1+2=3.
If an HDMI-TPX-TX209AU2K in MSA mode is connected to an HDMI-TPX-RX109AU2K, the USB tier presentation of the extender pair is 1+1=2.
If an HDMI-TPX-TX209AK-V2 is connected to an HDMI-TPX-RX109AK-V2, there is no USB tier presentation of the extender pair.

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Lightware SDVoE Extenders Comparison Table

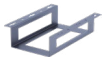
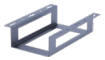
Mounting Kit Compatibility

The following table summarizes the compatiblity of the Lightware SDVoE extender series devices with the mounting accessories offered by Lightware. The number in the brackets means how many same-size devices can be assembled to the mounting plate. The devices are in **alphabetic order** in the list.

	 **1U High Rack Shelf**	 **UD Mounting Kit**	 **UD Mounting Kit Double**	 **UD Mounting Plate F100**	 **UD Mounting Plate F110**	 **UD Mounting Plate F120**	 **PRC-16-312 rackmount cage**	 **UD Mounting PSU F100** (only for Taurus UCX 160W PSU)	 **UD Mounting PSU F120** (only for Taurus UCX 220W PSU)	 **UD Mounting PSU F130** (only for Taurus UCX 80W PSU)
DCX-3x1-TPN-TX10	✓ (1x)	✗	✗	✓ (1x)	✗	✗	✗	✓	✗	✗
DCX-3x1-TPX-TX10	✓ (1x)	✗	✗	✓ (1x)	✗	✗	✗	✓	✗	✗
HDMI-TPN-RX107	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✗	✗	✗	✗
HDMI-TPN-RX107-V2	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-TPN-RX107D	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-TPN-RX107A-SR	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-TPN-RX107AU2K	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-TPN-RX107AU2K-SR	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-TPN-RX107D-SR	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-TPN-RX107DU2K-SR	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-TPN-TX107	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✗	✗	✗	✗
HDMI-TPN-TX107-V2	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-TPN-TX107D	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-TPN-TX207AU2K	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-TPN-TX207DU2K	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-TPX-RX106	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-TPX-RX106-V2	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗

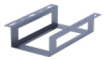
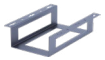
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Lightware SDVoE Extenders Comparison Table

	 1U High Rack Shelf	 UD Mounting Kit	 UD Mounting Kit Double	 UD Mounting Plate F100	 UD Mounting Plate F110	 UD Mounting Plate F120	 PRC-16-312 rackmount cage	 UD Mounting PSU F100 (only for Taurus UCX 160W PSU)	 UD Mounting PSU F120 (only for Taurus UCX 220W PSU)	 UD Mounting PSU F130 (only for Taurus UCX 80W PSU)
HDMI-TPX-RX107	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✗	✗	✗	✗
HDMI-TPX-RX107-V2	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-TPX-RX107D	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-TPX-RX109AK-V2	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✗	✗	✗	✗
HDMI-TPX-RX209AK	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✗	✗	✗	✗
HDMI-TPX-RX109AU2K	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✗	✗	✗	✗
HDMI-TPX-RX107A-SR	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-TPX-RX107AU2K-SR	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-TPX-RX109DU2K	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-TPX-TX106	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-TPX-TX106-V2	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-TPX-TX106A	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-TPX-TX106A-V2	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-TPX-TX107	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✗	✗	✗	✗
HDMI-TPX-TX107-V2	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-TPX-TX107D	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-TPX-TX209AK	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✗	✗	✗	✗
HDMI-TPX-TX209AK-V2	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✗	✗	✗	✗
HDMI-TPX-TX209AU2K	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✗	✗	✗	✗
HDMI-TPX-TX209DU2K	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✗	✗	✗	✗
HDMI-OPTN-RX100A	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗

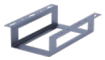
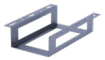
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Lightware SDVoE Extenders Comparison Table

	 1U High Rack Shelf	 UD Mounting Kit	 UD Mounting Kit Double	 UD Mounting Plate F100	 UD Mounting Plate F110	 UD Mounting Plate F120	 PRC-16-312 rackmount cage	 UD Mounting PSU F100 (only for Taurus UCX 160W PSU)	 UD Mounting PSU F120 (only for Taurus UCX 220W PSU)	 UD Mounting PSU F130 (only for Taurus UCX 80W PSU)
HDMI-OPTN-RX100A-SR	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-OPTN-RX100AU2K	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-OPTN-RX100AU2K-SR	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-OPTN-RX100AU2K-SR-SS	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-OPTN-TX100A	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-OPTN-TX200AU2K	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-OPTN-TX200AU2K-SS	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-OPTX-TX100A	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-OPTX-TX200A-DD	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-OPTX-TX200AU2K	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-OPTX-RX100A	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-OPTX-RX100A-DD	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-OPTX-RX100AU2K	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
HDMI-OPTX-RX100A-SR	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-OPTX-RX100AU2K-SR	✓ (3x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
HDMI-UCX-TPX-RX107	✓ (4x)	✓ (1x)	✓ (2x)	✗	✓ (1x)	✓ (2x)	✓ (16x)	✗	✗	✗
TPN-CTU-X50	✓ (2x)	✗	✓ (1x)	✓ (1x)	✗	✓ (1x)	✗	✗	✗	✗
TPN-MMU-X100	✓ (2x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
TPN-MMU-X100-20	✓ (2x)	✗	✗	✗	✗	✓ (1x)	✗	✗	✗	✗
UCX-2x1-TPN-TX20	✓ (1x)	✗	✗	✓ (1x)	✗	✗	✗	✓	✗	✗
UCX-2x1-TPX-TX20	✓ (1x)	✗	✗	✓ (1x)	✗	✗	✗	✓	✗	✗

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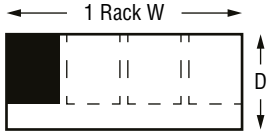
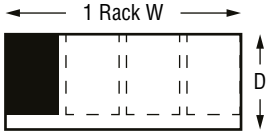
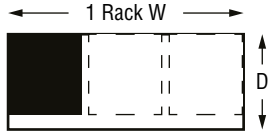
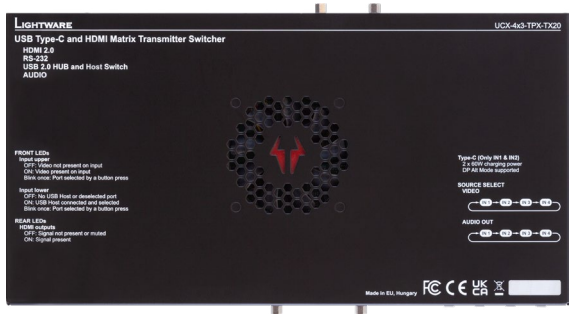
Lightware SDVoE Extenders Comparison Table

	 1U High Rack Shelf	 UD Mounting Kit	 UD Mounting Kit Double	 UD Mounting Plate F100	 UD Mounting Plate F110	 UD Mounting Plate F120	 PRC-16-312 rackmount cage	 UD Mounting PSU F100 (only for Taurus UCX 160W PSU)	 UD Mounting PSU F120 (only for Taurus UCX 220W PSU)	 UD Mounting PSU F130 (only for Taurus UCX 80W PSU)
UCX-2x1-TPN-TX30	✓ (1x)	✗	✗	✓ (1x)	✗	✗	✗	✓	✗	✗
UCX-2x1-TPX-TX30	✓ (1x)	✗	✗	✓ (1x)	✗	✗	✗	✓	✗	✗
UCX-3x3-TPX-RX20	✓ (1x)	✗	✗	✓ (1x)	✗	✗	✗	✗	✗	✓
UCX-4x3-TPN-TX20	✓ (1x)	✗	✗	✓ (1x)	✗	✗	✗	✗	✓	✗
UCX-4x3-TPX-TX20	✓ (1x)	✗	✗	✓ (1x)	✗	✗	✗	✗	✓	✗
UCX-4x3-TPN-TX30	✓ (1x)	✗	✗	✓ (1x)	✗	✗	✗	✗	✓	✗
UCX-4x3-TPX-TX30	✓ (1x)	✗	✗	✓ (1x)	✗	✗	✗	✗	✓	✗
UCX-4x3-TPN-TX30-R	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
UCX-4x3-TPX-TX30-R	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

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Lightware SDVoE Extenders Comparison Table

Device Dimensions Visualization

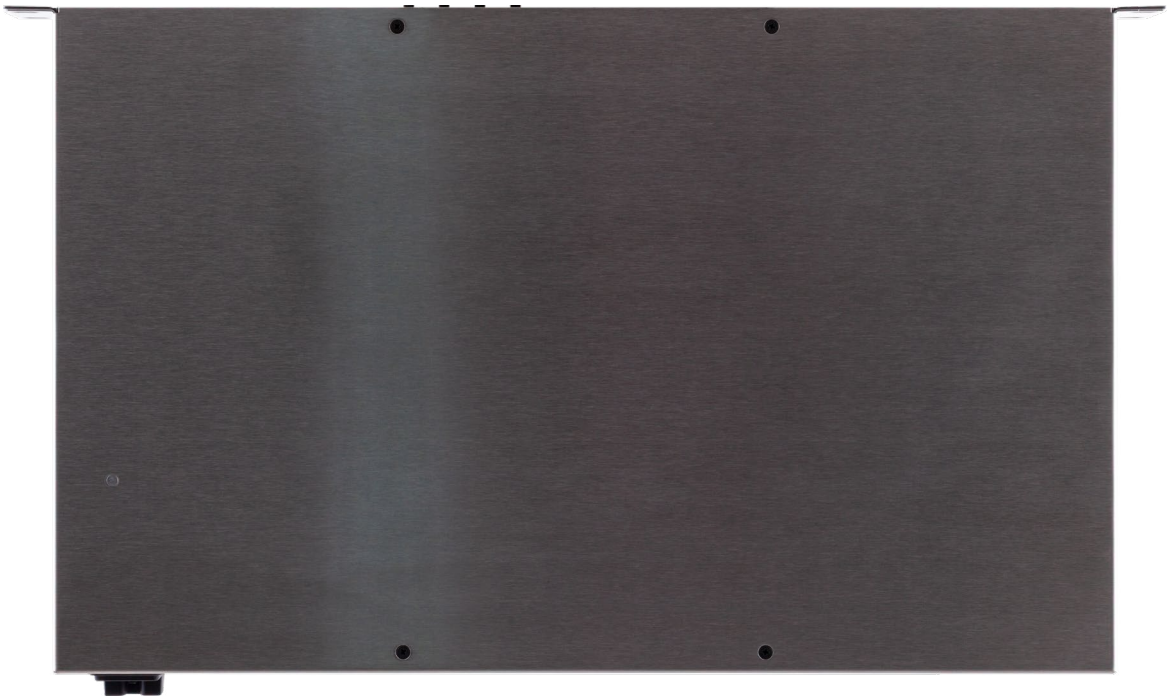
Size 1		Size 2		Size 3		Size 4	
1/4 rack wide; half unit high		1/4 rack wide; half unit high		1/3 rack wide; half unit high		Slightly wider than half rack; half unit high	
Width:	100.4 mm 3.95 inches	**Width:**	100.4 mm 3.95 inches	**Width:**	138 mm 5.43 inches	**Width:**	271 mm 10.67 inches
Depth:	131.8 mm 5.19 inches	**Depth:**	151.8 mm 5.97 inches	**Depth:**	151.8 mm 5.97 inches	**Depth:**	140.3 mm 5.52 inches
Height:	26 mm 1 inch	**Height:**	26 mm 1 inch	**Height:**	26 mm 1 inch	**Height:**	26 mm 1 inch
   		   		   		   	

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Lightware SDVoE Extenders Comparison Table

Size 5 One rack wide; 1U high	
Width:	440.5 mm 17.34 inches
Depth:	278.8 mm 10.96 inches
Height:	43.9 mm 1.73 inch





Glossary

[1] PoC = Power over Cable: 12V power sending over CATx cable only between the compatible devices: HDMI-TPX-TX106, HDMI-TPX-TX106A, HDMI-TPX-RX106.

[2] PoE PD / PoE+ PD= Power over Ethernet, Powered Device: the extender can be powered by the connected remote device (extender or network switch) over CATx cable.

[3] PoE PSE / PoE+ PSE= Power over Ethernet, Power Sourcing Equipment: the extender can send power to the connected remote device over CATx cable.

[4] PoE PD+PSE / PoE+ PD+PSE = Power over Ethernet, Powered Device + Power Sourcing Equipment: the extender can send power to the connected remote device or can be powered remotely over CATx cable.

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